



## State of Nevada – Department Of Personnel

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### CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
SILK SCREEN PRINTER	30	G	9.739

#### DEFINITION OF THE CLASS:

Under general supervision of the Sign Production Supervisor, produces standard highway signs for the Department of Transportation on a statewide basis using the silk screen process; and performs related duties as required.

EXAMPLES OF WORK: (The following is used as a partial description and is not restrictive as to duties required.)

Prepares for the printing process by reviewing work orders and ensuring special requests comply with federal and state standards; selecting the appropriate screens; selecting paint based on the surface to be printed; positioning the screen on the printing table to register it for printing; arranging the required screens and sign blanks in an organized manner to expedite the production process; cleaning the sign blanks to ensure they will accept paint.

Prints designs and/or lettering which includes: mixing the paint and adjusting paint consistency; applying paint to the screen; forcing the paint through the screen with a hand or one arm squeegee, adjusting squeegee pressure and angle as required; changing the screens and paints for jobs with multiple colors; observing the operation to detect and correct any printing flaws. May affix hand cut letters or numbers and apply a clear top coat. At the conclusion of the printing process, disassembles equipment set-up; cleans tools; cleans the screens with appropriate solvent and files the screens for future use.

Makes screens by assembling a wooden frame and stretching fabric over the frame by hand to the proper tension. Prepares the art work required to produce the sign which includes making the layout on paper by measuring the letters and design and through use of an opascope to trace the design at the size required to fit the sign. Transfers art work to the screen by coating the screen with a photosensitive emulsion; placing the art work on the vacuum frame with the screen on top and exposing the film with a high intensity light; washing the screen with water to remove the unexposed emulsion.

Maintains equipment used in the silk screen process to ensure equipment is in proper working order. This includes: oiling, cleaning and repairing parts on the one arm squeegee printing table; repairing and sharpening the squeegee; changing the screen cleaning solvents and changing the screen washing rack filters; oiling and cleaning the vacuum frame and changing the carbon rod in the lamp. Labels and disposes of paints and solvents in accordance with hazardous waste guidelines.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES REQUIRED: (These may be acquired on the job and/or needed to perform the work assigned.)

General knowledge of sign fabrication and sign writing methods and procedures. Working knowledge of federal and state requirements regarding uniform traffic control devices, standard alphabets and standard highway signs. Working knowledge of agency and division rules, policies and procedures regarding sign production, shop operations and safety.

Skill in screen printing on materials other than metal.

**ENTRY KNOWLEDGE, SKILLS AND ABILITIES REQUIRED:** (Applicants will be screened for possession of these through written, oral, performance or other evaluation procedures.)

Working knowledge of the methods, materials, tools and equipment used in the production of signs by the silk screening process. Working knowledge of the characteristics and uses of paints, primers, reflectors, and metal sheeting.

Ability to make positive and negative art work. Ability to write sufficient to prepare work orders, requisition supplies, and letter signs. Ability to read sufficient to read and interpret work orders, manuals regarding highway signs and uniform traffic control devices, and manuals regarding the repair and maintenance of equipment. Ability to establish and maintain cooperative working relationships with co-workers and agency staff. Ability to take measurements and make mathematical calculations necessary to layout projects.

Skill in preparing and framing silk screens. Skill in pattern making and screen printing on metal. Skill in safely operating, maintaining, and repairing the equipment and tools used in silk screen printing.

**EDUCATION AND/OR WORK EXPERIENCE:**

I

Completion of a recognized apprenticeship as a silk screen printer; OR

II

Three years of supervised skilled experience in silk screen printing which included design and layout work, pattern making, construction of silk screens, and multi-color printing; OR

III

An equivalent amount of experience and education that provided the applicant with the required entry level, knowledge, skills and abilities.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

ESTABLISHED: 9.739  
7/1/91P  
11/29/90PC